Appendix 2

Trail Evaluation or Assessment Forms

NORTH COUNTRY NATIONAL SCENIC TRAIL CONDITION ASSESSMENT		
NORTH COUNTRY NATIONAL SCENIC TRAIL CONDITION ASSESSMENT		
State: Date:	_	
Managing Authority: Adopter(s): Time Spent:	(hr	s.)
Segment Termini: Length:	_	
Use this form to evaluate trail conditions. This will enable NPS and NCTA managers to provide more accurate information to the public and to prioritize needs along the trail. It should be completed at least annually and returned to NPS (address below). NPS will provide copy to NCTA.	C S o u n m	ı n
Help for evaluating and describing the general condition of each kind of trail maintenance can be obtained from trail maintenance manuals such as the NPS Trails Management Handbook, USFS Trail Manual, AT Fieldbook and the NPS Signing Guides for the North Country NST.	W	W
Under Condition Summary (Cond Summ) column (far right): WN = Work Needed, WD = WorkDone. Mark " X" in appropriate box or " / " for partially done.		
MAPS: North Country NST identified by name on park/forest map? Map adequate? Comments:		
TRAILHEADS: Well marked on approach road? Consider the attractiveness of bulletin boards, interpretive signs explaining the North Country NST nationally and locally, parking, toilet and water facilities, useful information to hiker, etc. General Condition:		
Work Needed:		
Est. Person Hours:		
TRAIL SIGNING: Nine inch emblems should be in place at trailheads and at major road crossings. 3½ inch emblems should be at all road crossings and trail junctions, or no greater than 1/2 to 1 mile apart otherwise. Also evaluate condition of any directional or mileage signs. North Country NST Emblems in place? (Y or N) 9" 3½" General Condition:		
Work Needed:		
Est. Person Hours:		
REASSURANCE BLAZES/MARKERS: Reassurance markers should generally be intervisible (spaced so one can easily follow the trail) without being so plentiful as to cause sign pollution.		
Interval OK? Color: Type:(plastic or paint) General Condition:		
Work Needed:		
Est. Person Hours:		
TRAIL CLEARING: Width (Std=4'): Height (Std=8'):		
Work Needed:		
Est. Person Hours:		
TREADWAY STABILITY (Erosion); Includes waterbars, dips, etc. Surface Material: (N=Native, G=Granular, P=Paved): Width: General Condition:		
Work Needed:		
Est. Person Hours: (OVER)		

TREADWAY DRYNESS (Drainage): Is water running in trail? Is erosion occurring? If so, to what degree? General Condition:
Work Needed:
Est. Person Hours:
BOARDWALK, PUNCHEON, BRIDGES, STILES, GATES: There should be some provision for crossing seeps, wet areas, and streams without wading in mud, getting wet feet, or damaging fragile wetlands. Consider high water levels. Est. no. of boardwalk/puncheon sites or length in feet: No. of bridges: No. of stiles: No. of gates: General Condition:
Work Needed:
Est. Person Hours:
SHELTERS AND CAMPSITES: No. of shelters: No. of designated campsites: Is dispersed camping allowed? General Condition:
Work Needed:
Est. Person Hours:
WATER SOURCE: Adequate Frequency? Type/general condition:
Work Needed:
Est. Person Hours:
MOUNTAIN BIKE AND HORSE USE: Bikes permitted? Is evidence of use present? Horses permitted? Is evidence of use present? Damage Occurring? If so, describe:
Work Needed:
Est. Person Hours:
ILLEGAL ORV USE: Evidence of use present? Describe degree of damage:
Work needed to stop:
Est. Person Hours:
GENERAL IMPRESSION OF SEGMENT: Rate good, fair, poor or do narrative.
Litter/clean up needs:
WORK COMPLETED: Date: Person hours expended: Describe work done:
Return to: National Park Service, 700 Rayovac Drive-Suite 100, Madison, WI 53711 608-264-5610

Trail Inventory and Assessment Process

This process was adopted, in concept, by the Ice Age Park and Trail Foundation in 1994, and is based on the ATC Trail Assessment Handbook revised in January 1994. The purpose is to provide the Trail-maintaining Chapters, their agency partners, and the IAP&TF, with a way to analyze trail building, maintenance, and land-management needs and to assess priorities and problems.

1.0 During the feature inventory phase, the Trail-maintaining Chapter will summarize all known permanent Trail "features" in tabular form by mileage from a starting location, in an East to West direction. This information captured on the inventory form can be entered into a computerized database such that it can be sorted in various ways to easily group particular features (type - see Key-Words)), such as signs, bridges, water sources or parking areas, or to list features by mileage or category or in some combination. Inventory Worksheets were designed to simplify field gathering of this data for each of the categories listed below:

Trail Management Items (T)
Natural and Cultural Resources (R)
Public Use / Incompatible Use (U)

A forth category - Property Management (M) - is available, but a special worksheet was not considered necessary. Such data, if any, can be noted and later added directly to the Trail Inventory/Assessment Form.

The information gathered in the field and recorded on the various worksheets should be transferred to the Trail Inventory and Assessment Form for use in building the data base.

- 2.0 The Land Ownership Worksheet was designed to simplify field recording of the mileage of Trail on public vs. private lands, and, if on private lands, by type of agreement in effect with the landowner. This data should be gathered for each trail segment and used to complete the Ice Age Trail Data Sheet. This data sheet will delineate how much of the Trail is on public and private lands, permitted use of the Trail and (optionally) provide names of political bodies influencing land use and other supportive area people. The importance of having this data will become more significant to trail partners as the difficult process of protecting trail corridor through private lands is implemented. Much of this data can be gathered at the same time the feature inventory is being conducted. With limited funding for land protection, such data is needed to prioritize land protection decisions. An opportunity to purchase land within an existing segment of the Trail, which passes through highly scenic private lands and already has partial protection, might be given higher priority than a segment not yet established.
- 3.0 The Trail Assessment is a project planning tool. The information recorded on the Trail Inventory & Assessment Form, following the units column, reflects current projects and needs requiring some action by the trail maintenance crews. The actions might have been noted during the inventory phase, or while on a walk through, such as sign repair or replacement, treadway repair, or other management concerns. This form is more commonly used when planning for a new section of trail or for a major relocation. This form has been designed to accommodate both inventory items "Features "that require no action, but should be identified, and "Projects "that require action, such as installing a sign or repairing a section of trail. If an "F" is entered in column 1 of this form, the computer database will know that the information found in the next ten columns (through "Units") is inventory data requiring no action. If the letter "P" is entered, the entire row is required, as this is

a project requiring some action. The sum or all the defined actions represents the Assessment, or plan, which delineates the estimated total cost and hours. This information is usually required when requesting project funding from an agency, other than the local Chapter which performed the Assessment. The priority may become an issue if funding is limited and several project plans require the available funds. Each plan should fully consider the Trail Standards appropriate to the Trail, as represented by this document. This may mean obtaining approval and assistance from the appropriate agency when, in example, crossing a wet land, or designing and building a bridge. The plan may also have to be approved by the landowner, especially if the trail will be constructed on private lands, even if an easement was provided by the landowner. When conducting an assessment for new trail, or a major relocation, mileage data is not initially known. It is recommended that you use the (#, number) column to identify each "feature" or "action". Once identifed, these numbers should be placed on an enlarged section of a contour map (8.5 by 11 inches) at the location of the item being defined. The numbers are unique to each Assessment, and simply show the geographical location. Once the trail has been constructed, the mileage data should be added and the features (F) added to the data base.

4.0 The Annual Status Report is used by the IAP&TF to evaluate the overall condition of the Trail. Ideally, each Chapter has designated segment leaders who are responsible for monitoring the condition of their segment of Trail. The segment leaders should be able to complete this form based on their knowledge of maintenance performed during the past year. The report is completed once per year.

Source			Ш	Ц	Ц						Ш						Ш
Date					Н	-				Н	1	+				H	H
Status																	
Pr Hours Cost, \$ Status																Ц	
Hours			Ц	Ц					1	Ц						Ц	1
		Ħ	Ħ	Ħ	H	T		H	t	H	t		11.	-	I	Ħ	Ħ
Action			1		H	-		-	+		+					H	+
Units																Ц	
												П					
Comments																	
Comments																	

Explanation of the Field Headings Used in the Trail Assessment Database.

C

F/P	should be identified action. The next to used for a project,	l but requ en fields t or issue, i	ire no action, as well hrough Units, are use	as proje ed for inv n. Using	which are inventory into the cts (P) that require ventory items, and all an alphabetical sort items.	some fields are
#	normally be used w when mileage data i geographical locatio	hen condi s not yet on of the	ucting an assessmen known. The numbers feature or project. T	t for new s simply he numb	e to map. This field trail, or a major reloshow the approximate ers should be placed overing the area of inte	cation, e on an
Mile	assigns a number to	each iter	n listed in the assess ed in an East to West	ment, ba	point to an item. The sed on actual on-the- that this field can be	ground
Reg	at ends at Walworth	County.	r the Ice Age Trail. Re Region 2 starts at Ro Irtage County and end	ck Count	tarts at Door County y and ends at Wausha County.	and ends ara
Cty	(County) Each Coun letter for cross refer identification code.	ty that th ence to C	e trail passes through County Locator maps,	has bee	en assigned a unique A use as a computer	Alphabetic
	Region 1 Door/Kewaunee Manitowoc Sheboygan/FonduLac Washington Waukesha/Jefferson Walworth/Rock	B . C . D . E	Region 2 Green Dane Sauk/Columbia Adams/Marquette _ Waushara	. H . I . J	Region 3 Waupaca/Portage _ Marathon Langlade Lincoln Taylor/Price Chippewa/Rusk Barron Polk	M N O P Q R
Seg	an East to west dired Typically, segments consistent with major identified, by numbe available for each se	ction, con should be or local fea r, on the (egment sh	sistent with the num egin or end at town I atures which define the County Locator maps nowing the Trail routi	bering or ines, ma ne segme . A conti ing, road	ntial numbers to segn der assigned to Regio jor road crossings, or ent name. Segments our based map should crossings, highway nater sources and toile	be should be be ames or
Locat			me of property owner ong the Trail or with) that identifies wher orridor.	e the

Category Code This one letter abbreviation corresponds to the Trail Assessment Category

in which the item belongs. There are four major categories:

(T) Trail Management,

(U) Public Use / Incompatible Use

(R) Natural and Cultural Resources

(M) Property Management

The categories help sort the information once the assessment is complete. A complete listing of trail assessment categories and corresponding key words (type) are provided on the accompanying sheet entitled "Trail Assessment Types".

Type

A one-word description or "keyword" identifying the type of an item. The entry in the Type field must be one of the "key words" listed on the accompanying sheet entitled "Trail Assessment Types." Be sure to look the list over carefully to identify the appropriate type.

Comment

A more elaborate description of the project or inventory item that provides the assessment user with a better idea what needs to be done or what is found on the ground.

Units

An estimate of the amount of work needed (i.e. number of feet of footpath to be relocated) or the number or size of features (e.g. " feet of water bars to be installed; "acres" of old-growth forest). See accompanying sheet entitled "Trail Assessment Types " for suggested units.

Action

Quite simply, what needs to be done-usually expressed in one or two key words (such as "install," "move." or "construct"). A more detailed description of the action can be provided in the Comment field.

Pr

Abbreviation for "Priority". Once the draft assessment is completed, Trail managers review the projects listed in the assessment to determine the relative importance of each project, using a three-point rating scale: "H" for high, "I" for intermediate, "L" for low. (These abbreviations enable the computer to sort projects by priority.)

Hours

Estimate of time required in man-hours needed to complete a project.

Cost

The estimated cost (if any) associated with a project.

Status

A description of how far a project has progressed. Use one of the following: "No action", "planned ", "Ongoing", "On Hold", "Recurring", or "Done".

Date

The year in which work on a project is scheduled to begin. Use four digits (i.e., 1995). For projects underway use the current year.

Source

Indicate the expected source of funding. This could be the Chapter, IAPTF, NPS, DNR, or a local business or club that has adopted a given trail segment. Add 10% to the total.

General Comments — This Assessment may become a component of a Local Plan. In this case, calculate the total man-hours and cost for all of the defined projects, such as for the construction of a new segment of trail. The name of the segment leader who is responsible for preparing this assessment should be noted in the upper right header along with the date it was prepared.

Trail Assessment Categories and Types

Trail Management (T)	Key Word	Suggested Units
Treadway structures (boardwalk, steps, turnpiking, puncheon)	Tread	
Sign (all signs)	Sign	
Side & Spur trails	Side	Length in miles
Bridges	Bridge	Length in feet
Fords, difficult (unbridged) stream crossings	Ford	Length in feet
Designated campsites	Campsite	# of sites
Undesignated high-use campsite	Bootleg	
Shelters	Shelter	Sleeping capacity
Sanitary facilities (privies, flush toilets)	Toilet	
Improved water system (pumps, faucets, spigots, wells)	Pump	
Parking areas	Parking	Capacity in cars
Trailheads (improved trailheads w/parking, signs, etc.)	Trailhead	
Other Trail management features or projects	Other T	
These key words are used for projects only:		
Critical design problems	Design	
Erosion control (water bars,coweeta dips,side hill)	EC	Length in feet
Footpath maintenance (redigging, clearing, blazing)	Maintenance	Length in feet
Relocations, relocation design - assessment needed	Relo	Length in feet or miles
Correction of public info (maps, guidebooks)	Info	
Public Use/Incompatible Use (U)	Donal	Miles of roadwalk
Road crossing (all highways, roads and roadwalks)	Road	Miles of Toadwalk
Administrative access route (gated roads, private roads, etc)		
Access control (gates,boulder closures)	Closure	
Dumps	Dump	
ATV, ORV, mountain bike, snowmobile crossing	ORV	
Horse trail crossing	Horse	
Other public or incompatible uses (railroads,ski areas,etc.)	Other U	
These key words are used for projects only: Litter or graffiti clean-up	Litter	
Timber or firewood theft problems, clearcuts	Timber	
Timber of Thewood their problems, dearcuts	Tillibel	
Natural and Cultural Resources (R)		
Open areas	Open	Size in acres
Vistas, views	Vista	
Threatened, endangered, rare or sensitive species	T&E	
Lakes, ponds, wetlands, swamps	Wetland	Size in acres
Rivers, streams, creeks, brooks	Stream	Width in feet
Unique or unusual geologic or biological feature	Unique	
Glacial features (kames, kettles, eskers, drumlins etc.)	Glacial	
Other natural or cultural resources	Other R	
Property Management (M)		
Structures (incidentally acquired to be retained or removed)	Structure	
Utility lines	Utility	
Public land boundary	Boundary	
Special-use permit (handshake, easement)	SUP	
Other property management features, projects, or problems	Other M	
These key words are used for projects only:		
Exterior corridor boundary survey needed	Survey	
Exterior corridor boundary survey riceded		
Easement violations	Easement	

	Units	ocation KEYWORD Boardwalk		Sign	Parking	Campsite	Water	Privy	Trailhead	Other
			-							
s procession and the second										
	s v									

istance	Units	KEYWORD Historic	T&F	Viete	Unique	0000	Wetland	Stream	Other
coun		matoric	1 & L	VISta	omque	Open	Wetland	Stream	Other
	-								
	 _ _ _ _ _ _ _ _ 								t feet to miles w

ounty			Segm	ent	Date				
Starting									
	Public	Landowner or		Easement	Licence	Handshake	Fee	Title	Other
Accum		Managing Author	ity						
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Use measuring wheel to determine distance from starting location (convert feet to miles when transfering data to the Trail Data Sheet).

Ice Age Trail Data She

Date	
Date	_

The data recorded on this form, if updated yearly, will give us all a better understanding of the degree of protection of each trail segnment. Chapters may use this form for the recording of Trail mileage related to land ownership, private versus public property, and by the type of agreements in effect. Use the Mileage Information Worksheet when recording data in the field. Transfer milage data from the worksheet to this form.

egment name:	- Harrison	County	
Trail on: public lands Trail Certified (Yes	private lands	County both	
eographical boundaries of segment:	(attach map or sketch)		
lanaging authority :			
laintained by : volunteers, public agency	chapter namename		
erson completing this Data Sheet itleddress	phone number		
datess			
lease complete the following question			
rail segments through public Total mileage of this trail segment	or private lands townships		
this trail segment passes throug	h private lands - () yes.	mileage ()	
this trail segment passes throug () state land, () county	h public lands - () yes, land. () city land. () fede	mileage () ral land () township land	
	ing. () skiing. () biking	g. () unknown, ()	
Use in effect (or proposed) for this () hiking, () snowshoe	s trail segment - (check a ing. () skiing. () bikin	dl tiut apply) g. () unknown, ()	
f yes, please indicate type of restrict	ion	ares or legal casement restrictions : () yes, () no
Trail segments through private	lands (give length of trail	in miles for each category)	
Use permitted by easements	license agreemen	ts handshake agreeme	nts
Percent of Trail with perpetual prote	ection Percent of	Trail that does not have long term po	otection

The following information will be valuable to the: Land Acquisition Committee
1.0 Names of political bodies influencing land use. ie: Town Board, Town Plan Commission, County Park & Planning County Resource Agent (provide phone numbers, names & addresses)
2.0 Supportive area people: ie. names of landowners & Realtors and general agencies (phone numbers, addresses, why supportive?)
END OF INFORMATION PROVIDED BY TRAIL SEGMENT LEADERS
Chapter segment leaders should keep the original on file and return a copy to the Foundation Office:
Ice Age Park & Trail Foundation
P.O. Box 423
Pewaukee, WI 53072-0423

Copies will be shared with the appropriate staff and partner representatives.

Staff will review, distribute and comment (if needed) on the recommendations and information provided. Staff will also maintain a file of such Usage Agreements for all Trail segments and use any of the data to update foundation computer files. Such files will be open to review by the various committees that might benefit by having access to this data.

Data Dictionary

A data dictionary facilitates the collection of field information with a GPS unit. It is menu driven and therefore much easier to use than repeatedly typing the information related to each line segment or point feature. Eventually, various partners will use GPS units to collect field data. This data will be shared and fed into GIS programs. GIS programs operate more smoothly if the data coming in (collected through the use of the data dictionary) is consistent. With this in mind, the following data dictionary has been developed for a Trimble Pathfinder Pro GPS unit. It is suggested that parties collecting GPS data duplicate this dictionary or request that the National Park Service provide it via diskette or the Internet.

Line: North Country Trail1

ROS Class²

Roaded Natural/Rural

Semi-primitive

Primitive

Urban

Ownership²

Federal

State

County

City

Corporate

Individual

Unknown

Coincident Feature^{2,3}

Foot Trail

Abandoned Road

Public Road

Sidewalk

Railgrade/Towpath

Power ROW

¹Use Seg key to segment the trail when one of the Line attributes changes.

²Menu choice <u>required</u> except on Segment Name (ie: Copper Falls SP) which must be manually typed.

³What the trail is following.

Pipe ROW XC Trail Snowmo/ATV Trail

Surface²

Native Soil

Grass

Puncheon4

Boardwalk⁴

Wood Chips

Aggregate

Paved

Limestone Screening

Adjacent Vegetation²

Forested

Old Field

Prairie

Savannah

Pasture

Cultivated

Fencerow

Urban

Segment Name²

Point: Support Facilities⁵

Trailhead

Primary

Secondary

Camping

Campsite

Campground

Shelter

⁴Do not create new segment for puncheon or boardwalk unless it is longer than 200-feet. On shorter segments, nest as a point feature under Trail Structures.

 $^{^2\}mbox{Menu}$ choice $\underline{\mbox{required}}$ except on Segment Name (ie:Copper Falls SP) which must be typed.

⁵All Point Features can be selected and nested from the menu choices. In addition, the Point Generic feature can be selected and the keypad used to enter the name/description. While a feature is being nested, the Note key can be activated and additional textural information can be entered.

```
Treatment Required
             Toilet
                   Primitive
                   Modern
             Miscellaneous
                   Bench
                   Telephone
                   Post Office
                   Groceries/Food
Point: Intersection<sup>5</sup>
             Road
                   State Highway
                   County
                   Township Road
                   Forestry/Park Road
                   Woods Road
             Trails
                   Hiking
                   Bike
                   Horse
                   Snowmo/ATV
                   XC Skiing
             Other
                   River/Stream
                   Railroad
                   Powerline
                   Pipeline
Point: Trail Structure5
             Bridge
                   Small <25' L or <5' H
                   Large
                   Small - Needed
                   Large - Needed
            Turnpike
                   Needed
                   Exists
```

Water

Potable

⁵All Point Features can be selected and nested from the menu choices. In addition, the Point Generic feature can be selected and the keypad used to enter the name/description. While a feature is being nested, the Note key can be activated and additional textural information can be entered.

Stepping Stones

Needed

Exists

Culvert

Needed

Exists

Steps

Wood

Stone

Stile

Needed

Exists

Puncheon

Needed

Exists

Boardwalk

Needed

Exists

Other

Corduroy

Ford

Point: Signage⁵

Kind

Highway Information

Ped. Crossing

Entrance

Trailhead

Regulatory

Logo

Identification

Small Wayside Ex.

Large Wayside Ex.

Private Land

You-Are-Here

Destination

Boundary

Adopter

⁵All Point Features can be selected and nested from the menu choices. In addition, the Point Generic feature can be selected and the keypad used to enter the name/description. While a feature is being nested, the Note key can be activated and additional textural information can be entered.

Point: Misc. Features⁵

Vista

Existing

Opportunity

Sensitive Species

Plant

Animal

Glacial Features

Esker

Kame

Erratic

Hydrologic Feature

Spring

Cultural Features

Historic Marker

Historic Structure

Cemetary

Other

Point: Maintenance Needs

Kind

Trail Vegetation

Structure

Tread

Drainage

Litter-Cleanup

Point: Point Generic

⁵All Point Features can be selected and nested from the menu choices. In addition, the Point Generic feature can be selected and the keypad used to enter the name/description. While a feature is being nested, the Note key can be activated and additional textural information can be entered.